**Algebra 1, Period \_\_\_\_\_ Name:**

* 1. **Writing Algebraic Expressions Date:**

**Warm Up**

1. **Take out your binder, homework to be checked, and planner. Write down your HW assignment.**
2. **Puzzler:** If means , what does equal?
3. **Match the following real world scenarios with their mathematical expression:**
   1. Manuel is driving his Ferrari at 120 mph. He slows down by 50 mph, and then doubles his speed.
   2. There are 120 guest coming to Anna’s party. One of her friends decides to go all crazy and bring 50 more friends.
   3. Raven has $120. She puts it in a bank account, and pretty soon she has twice as much. She then takes out $50 to spend on the weekend.
   4. Marcus has 50 video games. He gives his friend half of them as a birthday present. Then he buys 120 more games.
   5. Jania ran a lap at a speed of 50 yards per minute. On the next lap, she tripled his speed. Then she slowed down by 120 yards per minute.

**Algebra 1 Name:**

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**BIG IDEA:** Algebra is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

***When we speak in English, we use…***

***\_\_\_\_\_\_\_\_\_\_ made***

***out of \_\_\_\_\_\_\_\_\_***

***to describe something.***

**When we speak in Algebra, we use…**

***\_\_\_\_\_\_\_\_\_\_ made***

***out of \_\_\_\_\_\_\_\_\_,***

***\_\_\_\_\_\_\_\_\_\_ and***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***to describe something***

**Expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**For Example:**

|  |  |
| --- | --- |
| ***English*** | ***Algebra*** |
| I had two Gatorades. Then I drank one. |  |
| A number plus five |  |
| Twice the price of my phone, plus five more dollars |  |

**Two Minute Challenge: Write down as many words as you can think of that represent the following operations.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ADDITION +** | **SUBTRACTION -** | **MULTIPLICATION x** | **DIVISION ÷** | **PARENTHESIS**  **( )** |
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**Algebra 1 Name:**

**HW 1.1: Writing Algebraic Expressions Date:**

Complete the table with the missing expression.

|  |  |
| --- | --- |
| **English** | **Algebra** |
| Four times a number, then add three |  |
| The product of five and a number |  |
| Nine minus a number times three |  |
| A number divided by six |  |
|  | 4*n* – 7 |
|  | 3(*x* + 1) |
|  | 8 + 7*n* |

**Algebra I Name:**

**1.1 Exit Slip Date:**

1. Translate the following English expression into an Algebraic expression:

***Twice a number plus three \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

1. Describe a real-life situation that could be modeled by the equation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Spicy! Try it!** Translate the following English expression into an Algebraic expression:

***Five more than the product of two and the sum of a number and four***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

**Algebra I Name:**

**1.1 Exit Slip Date:**

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***Twice a number plus three \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

1. Describe a real-life situation that could be modeled by the equation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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